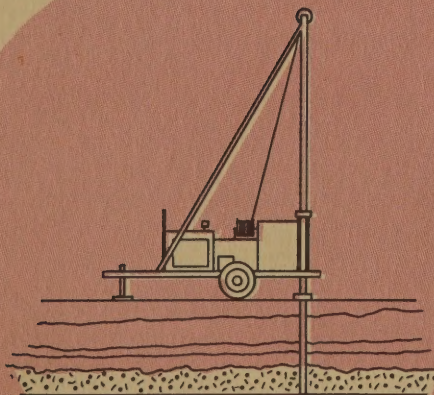
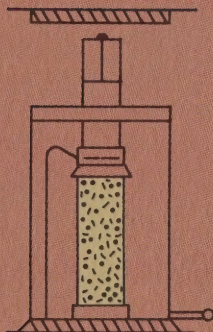


STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION

RAYMOND T. SCHULER, COMMISSIONER



SOIL MECHANICS
BUREAU



CONTRACT FILD 73-13

TEST WELL REPORT
INTERSTATE ROUTE 502
MOFFITT RD. TO STRATTON RD.
NORTHBOUND & SOUTHBOUND
REST AREAS
CLINTON COUNTY

April 1974

DATE April 30, 1974

FROM Lyndon H. Moore, Director, Soil Mechanics Bureau, Room 102, Bldg. 7
By: Wesley P. Moody *WPM*

cc M. D. Graham, Facilities Design Subdivision, Room 405, Bldg. 5
Attention: J. J. Ryan
J. Sternbach, Construction Subdivision, Room 404, Bldg. 5
J. E. Cassidy, Office of General Services, Design and Construction

NYS
Library
50 Wolf Road, POD 34
Albany, New York 12232

MEMORANDUM
DEPARTMENT OF TRANSPORTATION

DATE April 30, 1934

TO: Mr. Clegg, Chief of Bureau of Investigation
FROM: Mr. E. A. Tamm, Attorney General
SUBJECT: [Illegible]

RE: [Illegible]

1. [Illegible]
2. [Illegible]
3. [Illegible]
4. [Illegible]
5. [Illegible]
6. [Illegible]
7. [Illegible]
8. [Illegible]
9. [Illegible]
10. [Illegible]

Enclosed is a copy of a report prepared by [Illegible] regarding [Illegible] work done on the subject project.
Your attention is directed to page 1 of the report. The page contains [Illegible] and being [Illegible] by Mr. Clegg.
Please consult this report if you have questions regarding this report.

Very truly yours,
[Illegible]

RECEIVED
MAY 1 1934
U.S. DEPT. OF JUSTICE
RECORDS SECTION

STATE OF NEW YORK
DEPARTMENT OF TRANSPORTATION
SOIL MECHANICS BUREAU

TEST WELL REPORT
FOR

INTERSTATE ROUTE 502, MOFFITT RD. TO STRATTON RD.

NORTHBOUND AND SOUTHBOUND
REST AREAS

By

Vance Bryant
Senior Engineering Geologist

April 1974

ABSTRACT

Two test wells were constructed under Contract FILD 73-13, one at each of the Northbound and Southbound Rest Areas between Moffitt Road and Stratton Road on the Northway. The work was completed in March 1974.

Drilling and Test Data as obtained from samples, as well as direct observations and measurements, is included in the respective Appendix for each well.

Pump requirements are to be reviewed due to the lack of similarity of well characteristics of the pre-existing (1967) wells and the new wells at each site. Final recommendations will be forthcoming from the Office of General Services.

April 8, 1974

P.A.D. 73-13

INTERSTATE ROUTE 502, NEWITE RD. TO VILLAGE RD.
CLINTON COUNTY, P.I.R. 773 11-11

Vance Bryant, Senior Engineering Geologist

W. F. Scott, Associate Geologic Engineer

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LOCATION PLANS.....	3 & 4
LIST OF APPENDICES.....	5
APPENDIX A - NORTHBOUND WELL NO. 2.....	A1-6
APPENDIX B - SOUTHBOUND WELL NO. 2.....	B1-6

The writer recommended that both wells be continued to a depth of at least 250 feet. After some negotiations between the Contractor and Sub-Contractors concerning the Contractual Agreement, which had called for a lump sum bid rather than a unit price bid for each well construction item, drilling continued at the Southbound location. Within the next thirty feet, specifically 147-150 feet, a large quantity of water was obtained. Subsequent pump testing established a yield in excess of 150 G.P.M. The driller then set up for a second time on Feb. 2 and continued drilling from 150 to 200 feet. The original yield of 50 G.P.M. was tripled, the well being tested at 25 G.P.M.

During the week of March 11, 1974 the two wells were

DATE April 3, 1974

MEMORANDUM
DEPARTMENT OF TRANSPORTATION

SUBJECT F.I.L.D 73-13

INTERSTATE ROUTE 502, MOFFITT RD. TO STRATTON RD.
CLINTON COUNTY, P.I.N. 7720.15-311

FROM Vance Bryant, Senior Engineering Geologist

TO W. P. Moody, Associate Soils Engineer

During February and March of 1974 two new test wells were drilled, one at each of the Northbound and Southbound rest area sites on the subject project. Two existing wells had been completed under a 1967 contract but had not been put in use. The two new wells were to satisfy the requirement for a dual water source at each interstate rest area. Please note that the actual well locations are different than the proposed locations shown on the contract plans. The actual station, offset and elevation are shown on the well detail sheet in the respective appendix for each well.

Grouting of the permanent casings into rock, performed under an order on contract, was accomplished during the week of February 25th, in addition, the Northbound well (NB No. 2) was drilled to a depth of 130(+) feet during the same week. A yield of 10-12 G.P.M. was estimated by the driller. While drilling was progressed on the Southbound well (SB No. 2) the Northbound well was tested with a submersible pump. It was determined that less than 10 G.P.M. would be obtained from NB well No. 2. Meanwhile the Southbound well was essentially dry at 160 feet.

The writer recommended that both wells be continued to a depth of at least 200 feet. After some negotiations between the Contractor and Sub-Contractor concerning the Contractual Agreement, which had called for a lump sum bid rather than a unit price bid for each well construction item, drilling continued at the Southbound location. Within the next thirty feet, specifically 169-180 feet, a large quantity of water was obtained. Subsequent pump testing established a yield in excess of 120 G.P.M. The driller then set-up for a second time on NB No. 2 and continued drilling from 130 to 200 feet. The original yield of 86 G.P.M. was tripled, the well being tested at 25 G.P.M.

During the week of March 11, 1974 the two wells were

Mr. W. P. Moody

Page 2

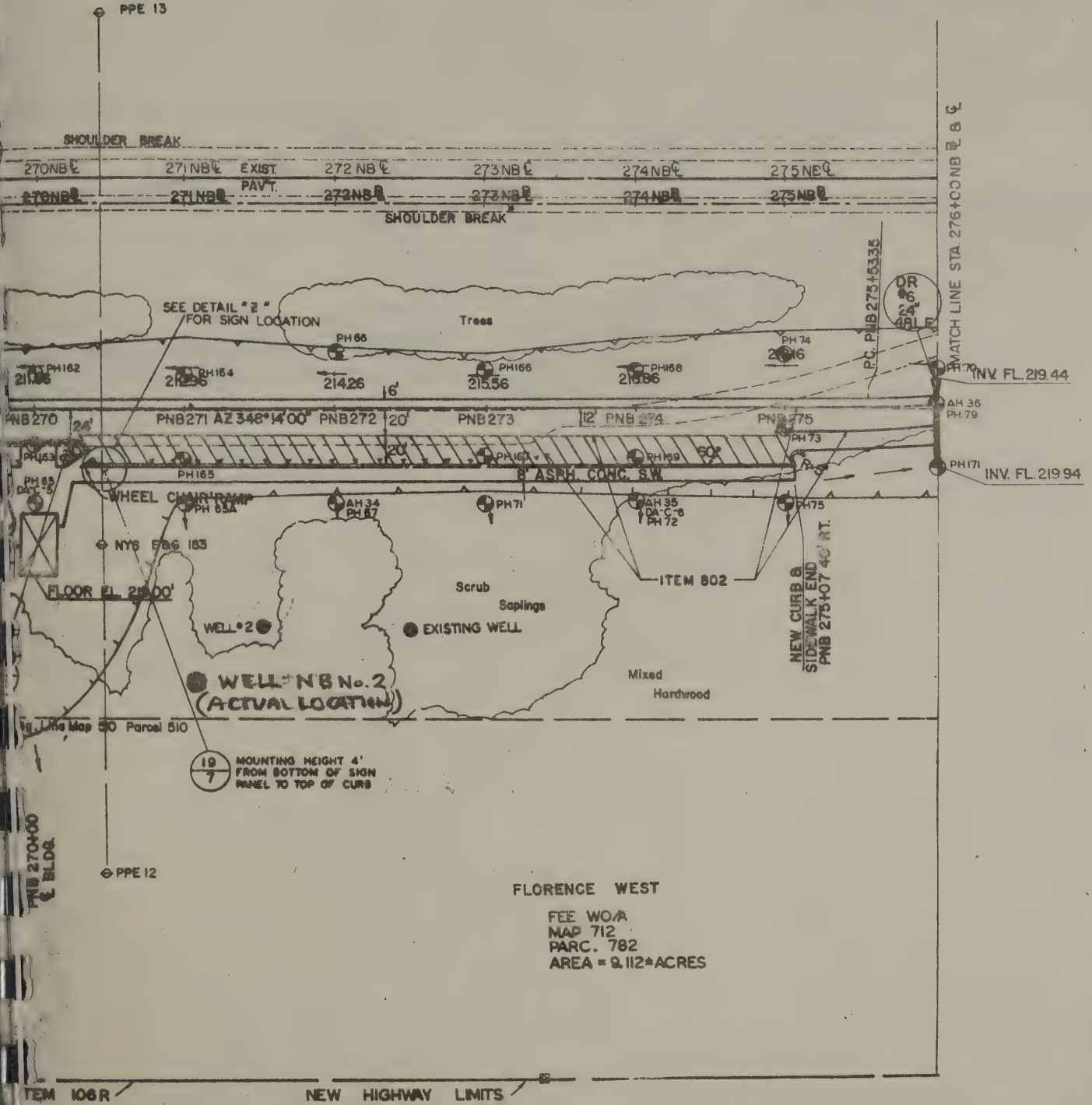
April 8, 1974

disinfected, tested and sampled for quality. The results of the pump and quality tests are included as part of this report, under the respective appendix for each well, in addition to a log of each well and other pertinent details. The pump tests reveal that the individual well characteristics at each of the Northbound and Southbound sites are not similar. The depth, drawdown and yield of the wells are such that each well requires separate study with regard to location and capacity of the pump to be placed in it. A quick study of the pumps that had already been ordered revealed that some were not compatible with the characteristics of the wells. The writer, with the approval of Mr. LaPierre (E.I.C.), contacted Mr. J. Cassidy of the Office of General Services whose office approved the original pumps and Mr. M. Hodge, Regional Construction Engineer for Region 7. It was agreed that Mr. Cassidy's office would re-study the well characteristics and pump requirements. Upon completion of the study, which will attempt to utilize as many of the pumps as originally approved, Mr. Cassidy will transmit final recommendations to the Region regarding any pump changes that are necessary.

FED. RD. DIST. NO.	FED. PROJ. NO.	SHEET NO.	TOTAL SHEETS
1	1-87-4 (40)	7	38
INTERSTATE RTE 502, SECT 7C-11B 7C-12			
(MOFFITT ROAD-STRATTON ROAD) SH 60-15			
CLINTON COUNTY (COMFORT STATIONS)			

PLAN SCALE IN FEET

0 50 100 150



33R P.L.

NEW HIGHWAY LIMITS

FED. RD REG. NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
	NY	1-27-4 (45)	9	33
INTERSTATE RTE. 802, SECT 7C-11 & 7C-12				
(MOFFITT ROAD STRATTON ROAD) SH 60-15				
CLINTON CO. (COMFORT STATIONS)				

Power Pole

FLORENCE WEST
FEE WO/A
MAP 712
PACC. 783
AREA = 6.364 ACRES

AH11

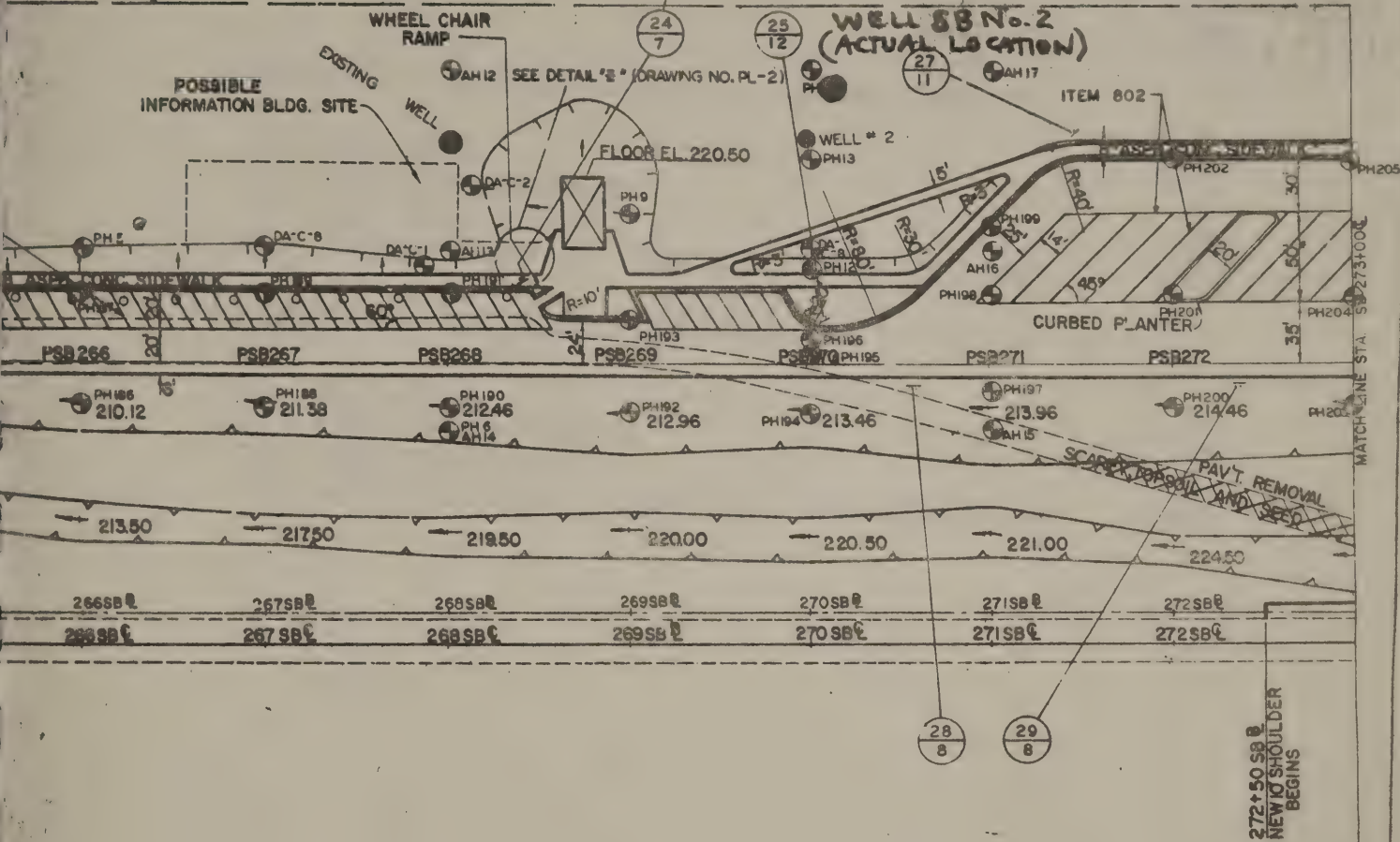
MOUNTING HEIGHT 4' FROM BOTTOM
OF SIGN PANEL TO TOP OF CURB

PLAN

SCALE IN FEET
0 10 20 30 40 50 100 150

PH20

HIGHWAY LIMITS



LIST OF APPENDICES

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APPENDIX A - NORTHBOUND REST AREA-TEST WELL NO. 2	
1) WELL DATA	A1
2) WELL LOG & DETAILS	A2
3) PUMP TEST DATA	A3
4) BACTERIOLOGICAL, CHEMICAL & PHYSICAL DATA	A4-6
APPENDIX B - SOUTHBOUND REST AREA-TEST WELL NO. 2	
1) WELL DATA	B1
2) WELL LOG & DETAILS	B2
3) PUMP TEST DATA	B3
4) BACTERIOLOGICAL, CHEMICAL & PHYSICAL DATA	B4-6

APPENDIX A

NORTHBOUND REST AREA-TEST WELL NO. 2

INTERSTATE ROUTE 502, MOFFITT RD. TO STRATTON RD.
NORTHBOUND REST AREA-TEST WELL NUMBER 2

LOCATION

Centerline Station: PNB 271+03
Offset: 180 Feet Right
Original Ground Elevation (O.G.): 215.2

DRILLING DATA

Contractor: W. A. Bushey
Sub-Contractor: Ormsby's Well Drilling Company
Driller: Harold Ormsby
Date Started: 2/27/74
Date Completed: 3/6/74

WELL DATA

Source of Water: Dolostone Bedrock
Overburden: Topsoil and Boulders
Static Level During Drilling: 8.5 Feet
Depth of Well: 198.5 Feet

TEST DATA

Date Started: 3/12/74
Date Completed: 3/13/74
Location of Pump Intake: 173.5 Feet
Static Level Prior to Testing: 20.0 & 17.5 Feet
Yield: 25 G.P.M.
Drawdown: 103.5 Feet
Specific Capacity: .024 G.P.M. Per Foot of Drawdown

PUMP DATA

Make & Type: Peerless 1 HP Submersible

INTERSTATE ROUTE 502, MOFFITT RD. TO STRATTON RD.
NORTHBOUND REST AREA-TEST WELL NUMBER 2

WELL LOG

WELL DETAILS

Topsoil & Boulders 0-3 Feet

GRAY
DOLOSTONE
3-198.5 FEET

Top of Casing

Elevation-216.7

Original Ground Surface (O.G.)

Elevation-215.2

Bottom of Grout, Elevation 197.7

Bottom of 6 Inch Casing, Elev. 196.7

Static Level, Elevation 195.2

Dynamic Level (Rate-25 G.P.M.)

Depth 121 Feet, Elevation 94.2

Pump Intake During Testing

Depth 173.5 Feet, Elevation 41.7

Bottom of Drilled Well

Depth 198.5 Feet, Elevation 16.7

INTERSTATE ROUTE 502, MOFFITT RD. 10 STRATTON RD.
NORTHBOUND REST AREA TEST WELL NUMBER 2

STEP DRAWDOWN TEST

Static Level Prior to Test - 20.0 Feet Below Original Ground
Pump Intake During Test - 173.5 Feet Below Original Ground

<u>Date</u>	<u>Time</u>	<u>Rate (GPM)</u>	<u>Dynamic Level (Feet)</u>	<u>Drawdown (Feet)</u>	<u>Comments</u>
3/12/74	3:30 PM	2	-	0	
	3:45 PM	2	20.5	0.5	Stabilized Drawdown
	3:45 PM	5	-	-	Increased Rate
	4:15 PM	5	27.5	7.5	Stabilized Drawdown
	4:15 PM	8.5	-	-	Increased Rate
	4:45 PM	8.5	32.0	12.0	Stabilized Drawdown
	4:45 PM	12	-	-	Increased Rate
	5:30 PM	12	33.5	13.5	Stabilized Drawdown
	5:30 PM	16	-	-	Increased Rate
	6:00 PM	16	44.5	24.5	Stabilized Drawdown
	6:00 PM	20	-	-	Increased Rate
	6:30 PM	20	67.5	47.5	Stabilized Drawdown
	6:30 PM	25	-	-	Increased Rate
	7:00 PM	25	98.5+	78.5+	Level Not Stable Stopped Pumping

7:15 PM-8:15 PM - Added Chlorine, Recirculated 1 Hour
8:15 PM-9:00 AM - Disinfected Well Overnight

CONTINUOUS YIELD TEST

Static Level Prior to Test - 17.5 Feet Below Original Ground
Pump Intake During Test - 173.5 Feet Below Original Ground

<u>Date</u>	<u>Time</u>	<u>Rate (GPM)</u>	<u>Dynamic Level (Feet)</u>	<u>Drawdown (Feet)</u>	<u>Comments</u>
3/13/74	9:00 AM	25	-	0	
		25	87.5	70.0	
		25	92.5	75.0	
		25	95.5	78.0	
	10:45 AM	25	102.0	84.5	
		25	107.5	90.0	
		25	112.5	95.0	
		25	115.5	98.0	
		25	119.5	102.0	
	5:00 PM	25	121.0	103.5	Water
	5:15 PM	25	121.0	103.5	Level
	5:30 PM	25	121.0	103.5	Stable

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION
(PAGE 1 OF 1)

REPORTING LAB: 01 CENTRAL AVE. LAB
LAB ACCESSION NO: 01882 YR/MO/DAY/HR SAMPLE REC'D: 74/03/14/08
PROGRAM: 120 RESIDENTIAL AND RECREATIONAL SANITATION
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETIEER NO: 0952 COUNTY: CLINTON
COORDINATES: DEG ' "N. DEG ' "W
COMMON NAME INCL SUBVISED: T RECKMANTOWN, INT NY 87

EXACT SAMPLING POINT: NORTH REST AREA
TYPE OF SAMPLE: 12 WATER, DRILLED WELL
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 03/13/15
REPORT SENT TO: CO (0) RO (0) LPHE (2) LHO (0) FED (0)

PARAMETER	UNIT	RESULT	NOTATION
026800 STAND PLATE COUNT COL/ML.		1.	LT
027000 COLIFORM BACT MF COL/100ML		1.	LT

DATE COMPLETED: 3/18/74

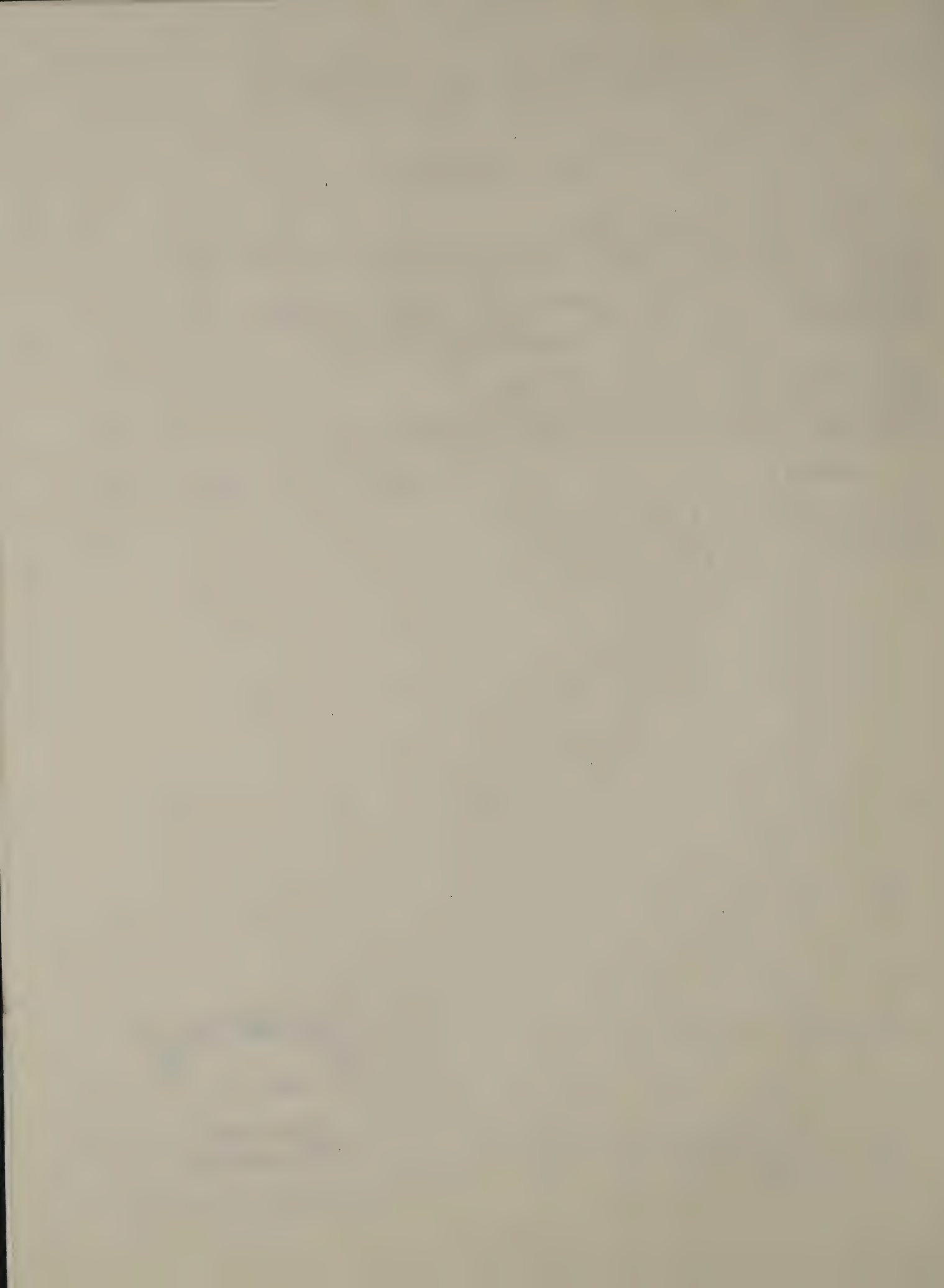
DIRECTOR OF ENVIRONMENTAL SANITATION
CLINTON COUNTY HEALTH DEPARTMENT
P.O. BOX 846
PLATTSBURGH NEW YORK 12901

RECEIVED
MAR 19 1974

CLINTON COUNTY
HEALTH DEPARTMENT

3-20-74

SUBMITTED BY: HUNTER



NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION
(PAGE 1 OF 2)

REPORTING LAB: 10 GRIFFIN LAB
LAB ACCESSION NO: 01086 YR/MO/DAY/HR SAMPLE REC'D: 74/03/18/11
PROGRAM: 820 NYS DEPT. OF TRANSP.
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 0952 COUNTY: CLINTON
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBW'SHED: REST AREA RT 87 T BEEKMANTOWN

EXACT SAMPLING POINT: FILD 73-13 NORTHBOUND 1 INCH PIPE
TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL.
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 03/13/16
REPORT SENT TO: CO (1) RO (0) LPHE (2) LHO (0) FED (0)

PARAMETER	UNIT	RESULT	NOTATION
000100 COLOR (APPARENT)		0.	
000200 TURBIDITY, J.T.U.		2.0	
000300 ODOR, HOT		1.0044	
000501 NITROGEN,AMMONIA AS N	MG/L	0.02	
000709 NITROGEN,NITRITE AS N	MCG/L	1.	LT
000801 NITROGEN,NITRATE AS N	MG/L	0.1	LT
001001 CHLORIDES	MG/L	10.	
001101 HARDNESS, TOTAL AS CaCO3	MG/L	443.	
001501 ALKALINITY, MTH OR AS CaCO3	MG/L	321.	
001900 PH (LABORATORY)		7.4	
006401 NITROGEN,KJELDAHL,INCL. AMM	MG/L	0.12	
006501 CHEMICAL OXYGEN DEMAND	MG/L	2.	LT
010001 IRON	MG/L	0.09	

DATE COMPLETED: 4/08/74

DEPUTY CHIEF ENGINEER,TECHNICAL SERVICES
NYS DEPT.OF TRANSPORTATION, BLDG. 7A
1220 WASHINGTON AVENUE
ALBANY, N.Y. 12226

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION
(PAGE 2 OF 2)

REPORTING LAB: 10 GRIFFIN LAB
LAB ACCESSION NO: 01086 YR/MO/DAY/HR SAMPLE REC'D: 74/03/18/11
PROGRAM: 820 NYS DEPT. OF TRANSP.
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 0952 COUNTY: CLINTON
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBWISHED: REST AREA RT 87 T BEEKMANTOWN

EXACT SAMPLING POINT: FILD 73-13 NORTHBOUND 1 INCH PIPE
TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL.
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 03/13/16
REPORT SENT TO: CO (1) RO (0) LPHE (2) LHO (0) FED (0)

PARAMETER	UNIT	RESULT	NOTATION
010201 MANGANESE	MG/L	0.06	
010701 SODIUM	MG/L	26.	
100300 ODOR, COLD		1.0044	
002001 TOTAL DISSOLVED SOLIDS	MG/L	572.	

DATE COMPLETED: 4/08/74

DEPUTY CHIEF ENGINEER, TECHNICAL SERVICES
NYS DEPT. OF TRANSPORTATION, BLDG. 7A
1220 WASHINGTON AVENUE
ALBANY, N.Y. 12226

APPENDIX B

SOUTHBOUND REST AREA-TEST WELL NO. 2

INTERSTATE ROUTE 502, MCLETT RD. TO STRATTON RD.
SOUTHBOUND REST AREA-TEST WELL NUMBER 2

LOCATION

Centerline Station: PSB 270+17
Offset: 161 Feet Left
Original Ground Elevation (O.G.): 218.6

DRILLING DATA

Contractor: W. A. Bushey
Sub-Contractor: Ormsby's Well Drilling Company
Driller: Harold Ormsby
Date Started: 3/2/74
Date Completed: 3/5/74

WELL DATA

Source of Water: Dolostone Bedrock
Overburden: Topsoil and Glacial Till
Static Level During Drilling: 30 Feet
Depth of Well: 188.5 Feet

TEST DATA

Date Started: 3/12/74
Date Completed: 3/14/74
Location of Pump Intake: 153.5 Feet
Static Level Prior to Testing: 25 Feet
Yield: 120 G.P.M.
Drawdown: 83.5 Feet
Specific Capacity: 1.44 G.P.M Per Foot of Drawdown

PUMP DATA

Make & Type: 5 HP Turbine

WELL LOG

WELL-DETAILS

Top of Casing

Elevation-220.1

Original Ground Surface (O.G.)

Elevation-218.6

Bottom of Grout, Elevation 195.1

Bottom of 6 Inch Casing, Elev. 194.1

Static Level, Elevation 193.6

Dynamic Level (Rate-176 P.M.)

Depth 34.5 Feet, Elevation 184.1

Dynamic Level (Rate-50G.P.M.)

Depth 70.0 Feet, Elevation 148.6

Pump Intake During Testing

Depth 153.5 Feet, Elevation 65.1

Water Bearing Zone

167.5 to 178.5 Feet, Elev. 51.1 to 40.1

Bottom of Drilled Well

Depth 188.5 Feet, Elevation 30.1

INTERSTATE ROUTE 502, MCNETT RD. TO STRATTON RD.
SOUTHBOUND REST AREA-TEST WELL NUMBER 2

STEP DRAWDOWN TEST

Static Level Prior to Test - 25.0 Feet Below Original Ground
Pump Intake During Test - 153.5 Feet Below Original Ground

<u>Date</u>	<u>Time</u>	<u>Rate (GPM)</u>	<u>Dynamic Level (Feet)</u>	<u>Drawdown (Inches)</u>	<u>Comments</u>
3/12/74	11:10 AM	17	-	0	
	11:30 AM	17	34.5	9.5	Stabilized Drawdown
	11:30 AM	50	-	-	Increased Rate
	1:00 PM	50	70.0	45.0	Stabilized Drawdown
	1:00 PM	120	-	-	Increased Rate
	1:15 PM	120	108.5	83.5	Stabilized Drawdown
	1:15 PM	150	-	-	Increased Rate
	1:19 PM	150	153.5	128.5	Water Level to Pump Intake-Water Muddy
	1:20 PM	60	-	-	Water Clearing
	2:30 PM	60	-	-	Water Clear

2:30 PM-3:30 PM - Added Chlorine, Recirculated 1 Hour
3:30 PM-9:00 AM - Disinfected Well Overnight

CONTINUOUS YIELD TEST

Static Level Prior to Test - ? Feet Below Original Ground
Pump Intake During Test - 153.5 Feet Below Original Ground

<u>Date</u>	<u>Time</u>	<u>Rate (GPM)</u>	<u>Dynamic Level (Feet)</u>	<u>Drawdown (Feet)</u>	<u>Comments</u>
3/13/74	9:00 AM	60	-	0	
3/14/74	1:30 AM	60	?	?	See Note

Note: Water Level Indicator Not Working - Water Levels Not Available
For Water Levels See Prior Step Drawdown Test.

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION
(PAGE 1 OF 1)

REPORTING LAB: 01 CENTRAL AVE. LAB
LAB ACCESSION NO: 01883 YR/MO/DAY/HR SAMPLE REC'D: 74/03/14/08
PROGRAM: 120 RESIDENTIAL AND RECREATIONAL SANITATION
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETIER NO: 0952 COUNTY: CLINTON
COORDINATES: DEG ' "N. DEG ' "W
COMMON NAME INCL SUBMITTED: T BEERMANTOWN. INT NY 87

EXACT SAMPLING POINT: SOUTH REST AREA
TYPE OF SAMPLE: 12 WATER, DRILLED WELL
D/DAY/HR OF SAMPLING: FROM 00/00 TO 03/13/15
REPORT SENT TO: CO (0) RO (0) LPHE (2) LHO (0) FED (0)

PARAMETER	UNIT	RESULT	NOTATION
26800 STAND PLATE COUNT COL/ML.		2.	
27000 COLIFORM BACT MF COL/100ML		1.	LT

DATE COMPLETED: 3/18/74

DIRECTOR OF ENVIRONMENTAL SANITATION
CLINTON COUNTY HEALTH DEPARTMENT
P.O. BOX 846
PLATTSBURGH NEW YORK 12901

SUBMITTED BY: HUNTER

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH
ENVIRONMENTAL HEALTH CENTER

RESULTS OF EXAMINATION
(PAGE 1 OF 2)

REPORTING LAB: 10 GRIFFIN LAB
LAB ACCESSION NO: 01087 YR/MO/DAY/HR SAMPLE REC'D: 74/03/18/11
PROGRAM: 820 NYS DEPT. OF TRANSP.
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 0952 COUNTY: CLINTON
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBW'SHED: REST AREA RT 87 T BEEKMANTOWN

EXACT SAMPLING POINT: FILD 73-13 SOUTHBOUND
TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL.
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 03/13/16
REPORT SENT TO: CO (1) RO (0) LPHE (2) LHO (0) FED (0)

PARAMETER	UNIT	RESULT	NOTATION
000100 COLOR (APPARENT)		0.	
000200 TURBIDITY, J.T.U.		0.37	
000300 ODOR, HOT		1.0044	
000501 NITROGEN,AMMONIA AS N	MG/L	0.09	
000709 NITROGEN,NITRITE AS N	MCG/L	1.	LT
000801 NITROGEN,NITRATE AS N	MG/L	0.1	LT
001001 CHLORIDES	MG/L	34.	
001101 HARDNESS, TOTAL AS CaCO3	MG/L	147.	
001501 ALKALINITY, MTH OR AS CaCO3	MG/L	275.	
001900 PH (LABORATORY)		7.8	
006401 NITROGEN,KJELDAHL,INCL. AMM	MG/L	0.14	
006501 CHEMICAL OXYGEN DEMAND	MG/L	9.	
010001 IRON	MG/L	0.11	

DATE COMPLETED: 4/08/74

DEPUTY CHIEF ENGINEER,TECHNICAL SERVICES
NYS DEPT.OF TRANSPORTATION, BLDG. 7A
1220 WASHINGTON AVENUE
ALBANY, N.Y. 12226

NEW YORK STATE DEPARTMENT OF HEALTH
DIVISION OF LABORATORIES AND RESEARCH OF TRANSPORTATION
ENVIRONMENTAL HEALTH CENTER
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DEPUTY CHIEF ENGINEER (RESEARCH)

RESULTS OF EXAMINATION
(PAGE 2 OF 2)

REPORTING LAB: 10 GRIFFIN LAB
LAB ACCESSION NO: 01087 YR/MO/DAY/HR SAMPLE REC'D: 74/03/18/11
PROGRAM: 820 NYS DEPT. OF TRANSP.
STATION (SOURCE) NO:
DRAINAGE BASIN: NY GAZETTEER NO: 0952 COUNTY: CLINTON
COORDINATES: DEG ' "N, DEG ' "W
COMMON NAME INCL SUBVISED: REST AREA RT 87 T BEEKMANTOWN

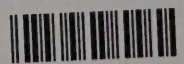
EXACT SAMPLING POINT: FILD 73-13 SOUTHBOUND
TYPE OF SAMPLE: 16 PRIVATE SUPPLY, MISCELL.
MO/DAY/HR OF SAMPLING: FROM 00/00 TO 03/13/16
REPORT SENT TO: CO (1) RO (0) LPHE (2) LHO (0) FED (0)

PARAMETER	UNIT	RESULT	NOTATION
010201 MANGANESE	MG/L	0.02	
010701 SODIUM	MG/L	150.	
100300 ODOR, COLD		1.0044	
002001 TOTAL DISSOLVED SOLIDS	MG/L	400.	

DATE COMPLETED: 4/08/74

DEPUTY CHIEF ENGINEER, TECHNICAL SERVICES
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